

School of Agriculture and Environmental Sciences 5-10 Strategic Vision: 2014

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NCGA Agriculture and Forestry Awareness Study Commission



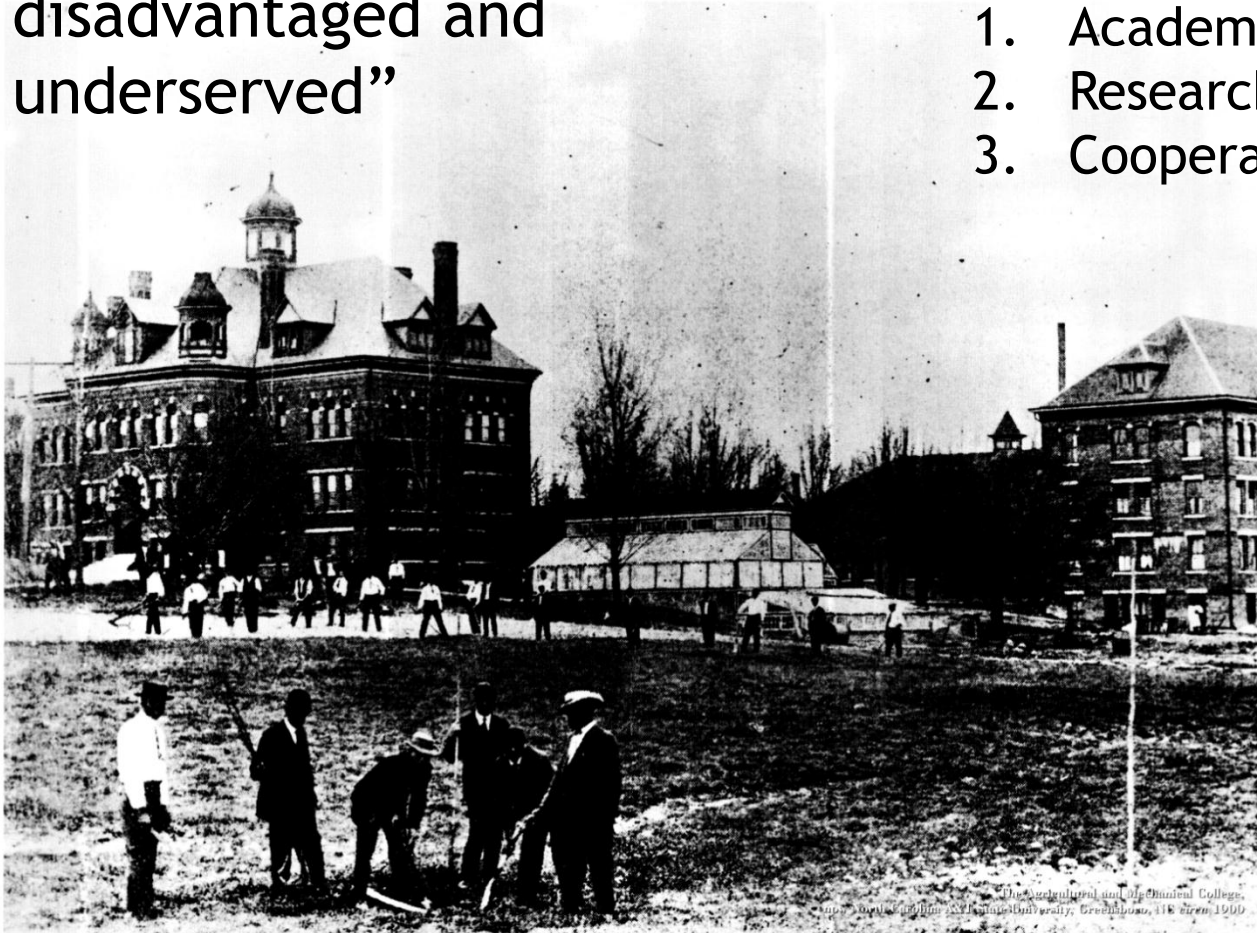
North Carolina Agricultural and Technical State University



“Long history serving disadvantaged and underserved”

Strategic Vision

1. Academic programming
2. Research
3. Cooperative Extension



This print was commissioned by Quintance Weaver Restaurants & Hotels, in honor of the opening of the O. Henry Hotel in Greensboro, NC in 1908

Circa 1900



Agriculture and Environmental Sciences: Academic Overview



- 9 Bachelor degree programs
- 16 areas of concentration
- 3 MS programs (5 areas of concentration)
- 2 MAT programs
- 3rd largest producer of minority agricultural graduates in the country (UFL, MSU)
- Largest agricultural program among the 1890 Land Grant Universities





REBUILD ACADEMIC CURRICULUM



In May 2011 SAES lost 6 Academic Programs to low productivity (3BS/3MS)

2012

- **BS Ag and Environmental System with 4 concentrations:**
 - *Urban and Community Horticulture*
 - *Sustainable Land Management*
 - *Agribusiness and Food Management*
 - *Environmental Studies*
- **MS Ag and Environmental Systems with 3 concentrations:**
 - *Integrated Animal Health Systems*
 - *Natural and Environmental Systems*
 - *Food and Agribusiness Systems Management*



Vision: Enrollment Growth in SAES

!5 key areas!

- **New Curriculum**
- **Aggressive and Innovative Recruitment** (1200 by 2016)
- **Experiential Learning Environments**
- **Modernize Classrooms/Labs**
- **Re-tool Faculty teaching**





Challenge: FEW KIDS IN THE US GROW UP DREAMING OF CAREERS IN AGRICULTURE!

Target Groups

Urban

Suburban

Traditional





Experiential Learning Curriculum and Environment



Student run farm
and market



A&T Animal Science

Cal Poly: “Learning by doing”

Student run dairy and
creamery





Renovate/modernize SAES Classrooms and Labs to High-tech environments





Re-tool Faculty teaching methods



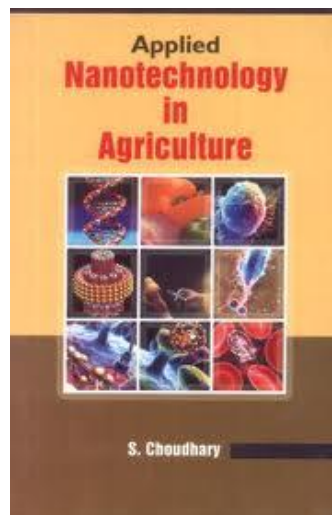
Hybrid class
environment





Research in the School of Agriculture and Environmental Sciences: Next 10 Years

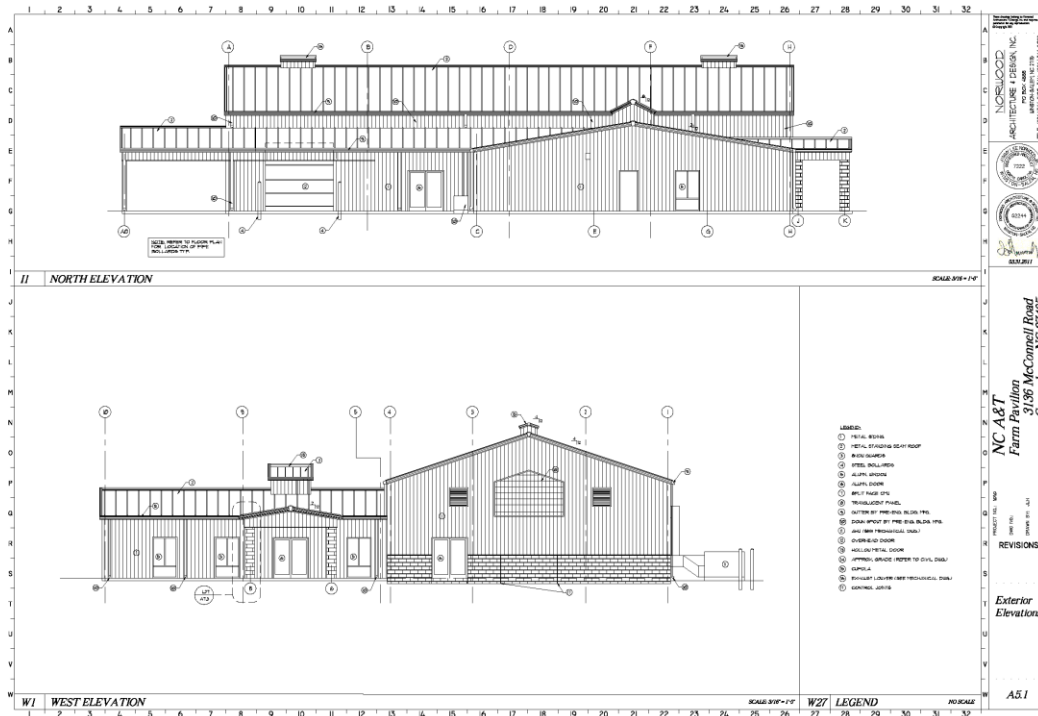
Double Expenditures





Urban and Local Food Complex



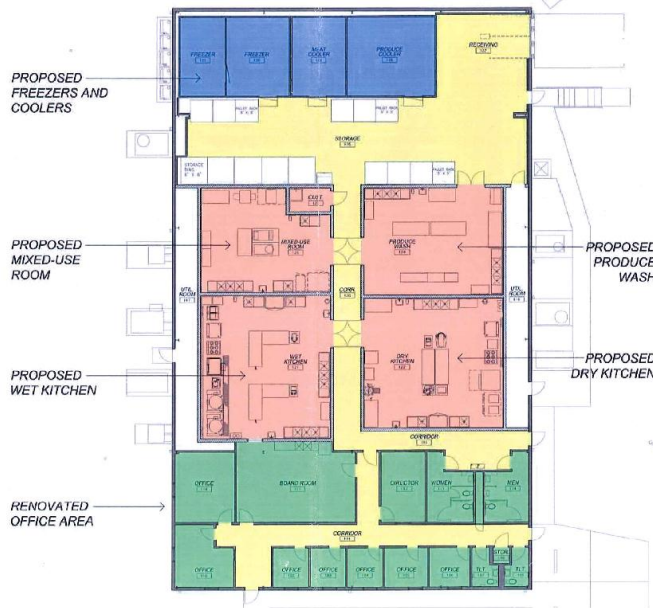


Multi-purpose Pavilion For the Urban and Local Food Complex





Urban and Local Food Processing Center





North Carolina Agricultural and Technical State University

Cooperative Extension at A&T Next Ten Years

Recommitting to the Small Farm





Cooperative Extension at A&T Next Ten Years

Strong Families, Strong Communities





SAES Signature Programs



1. Local Food and Health (75% of SAES involved)
2. Urban and peri-urban food systems
3. Recommitting to the NC Small Farmer
4. Strong families/Strong communities
5. Small-scale value-added dairy
6. Affordable technologies for the small farm/business including nanoscience and nanotechnology





Questions/Comments

